



PATENT
TS1260 02 (US)
DFH:EM

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Donald F. Haas

Date: April 7, 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of)

ARIE VAN ZON, ROBERT MOENE,)
PHILLIP E. UNGER, PETER ARNOLDY,)
and ERIC J. M. DE BOER)

Serial No. 10/668,933)

Group Art Unit: 1764

Filed September 23, 2003)

PROCESS FOR MAKING A LINEAR)
ALPHA-OLEFIN OLIGOMER USING A)
HEAT EXCHANGER)

April 7, 2005

COMMISSIONER FOR PATENTS
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.56 AND 1.97

It is respectfully requested that the documents listed on the attached Form PTO-1449 be considered by the Patent and Trademark Office in the above-entitled application and made of record therein. Full text copies of the relevant documents are enclosed.

The Examiner is requested to indicate consideration of this art on the attached PTO-1449 (Modified) by initialing next to each item submitted by the Applicant.

Respectfully submitted,

ARIE VAN ZON, ROBERT MOENE,
PHILLIP E. UNGER, PETER ARNOLDY,
and ERIC J. M. DE BOER

By

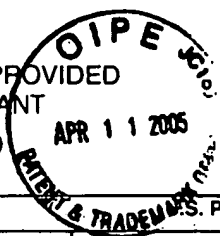
Attorney, Donald F. Haas
Registration No. 26,177
(713) 241-3356

P.O. Box 2463
Houston, Texas 77252-2463

FORM PTO-1449 (Modified)

LIST OF INFORMATION PROVIDED
BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.
TS1260 02 (US)APPLICATION NUMBER
10/668,933APPLICANT
Arie Van Zon et al.FILING DATE
September 23, 2003GROUP ART UNIT
1764

REFERENCE DESIGNATION

Examiner Initial	Document No.	Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA					
	AB					
	AC					
	AD					
	AE					

FOREIGN PATENT DOCUMENTS

Document No.	Date	Country	Class	Subclass	Translation Yes No
AG					
AH					

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

AK	
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FOREIGN SEARCH REPORT (IF IN ENGLISH) CITING ANY OF THE ABOVE REFERENCES

FOREIGN PATENT OFFICE

AN	Written Opinion for PCT/EP 03/10710 dated 5 July 2004
AO	Response to Written Opinion for PCT/EP 03/10710 dated 5 November 2004
AP	International Preliminary Examination Report for PCT/EP 03/10710 dated 22 December 2004
AQ	Written Opinion for PCT/EP 03/10709 dated 28 October 2004
AR	Response to Written Opinion for PCT/EP 03/10709 dated 2 December 2004
AS	International Preliminary Examination Report for PCT/EP 03/10709 dated 7 July 2005

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.

PATENT
TS12606 02 (US)
DFH:EM

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the accompanying application of)

ARIE VAN ZON, ROBERT MOENE,)
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HEAT EXCHANGER)

September 23, 2003

COMMISSIONER FOR PATENTS
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Alexandria, VA 22313-1450

Sir:

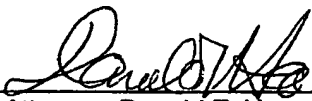
INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.56 AND 1.97

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ATTY. DOCKET NO.
TS1260 02 (US)

APPLICATION NUMBER

LIST OF INFORMATION PROVIDED
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(Use several sheets if necessary)

APPLICANT
A. Van Zon et al.

FILING DATE

GROUP ART UNIT

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
<i>DD</i>	AJ	WO 02/28805 A2	4/11/02	World	C07C	2/32		
<i>DD</i>	AK	WO 02/06192 A1	1/24/02	World	C07C	2/32		
<i>DD</i>	AL	WO 02/03339 A2	1/3/02	World	B01J	31/22		
<i>DD</i>	AM	WO 01/58874 A1	8/16/01	World	C07D	213/53		
<i>DD</i>	AN	WO 02/12151 A1	2/14/02	World	C07C	2/32		
<i>DD</i>	AO	WO 99/02472	1/21/99	World	C07C	2/32		

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

<i>DD</i>	AR	D. Vogt, Oligomerisation of ethylene to higher alpha-olefins in Applied Homogeneous Catalysis with organometallic Compounds, Ed. B. Cornils, W. A. Herrmann, 2 nd Edition, Vol. 1, Ch. 2.3.1.1, page 240-253, Wiley-VCH 2002)						
	AS							
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EXAMINER

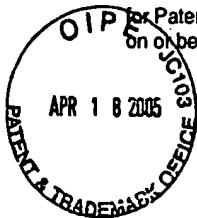
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Donald F. Haas
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Date: April 14, 2005

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By *Donald F. Haas*
Attorney, Donald F. Haas
Registration No. 26,177
(713) 241-3356

P.O. Box 2463
Houston, Texas 77252-2463

FORM PTO-1449 (Modified) LIST OF INFORMATION PROVIDED BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. TS1260 02 (US)	APPLICATION NUMBER 10/668,933
	APPLICANT A. Van Zon et al.	
	FILING DATE September 23, 2003	GROUP ART UNIT 1764

REFERENCE DESIGNATION	U.S. PATENT DOCUMENTS
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Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
<i>M</i>	AA	5,198,563	3/30/93	Reagen et al.	556	57	
	AB	5,288,823	2/22/9	Reagen et al.	526	124	
	AC	5,382,738	1/17/95	Reagen et al.	585	512	
<i>M</i>	AD	5,550,305	8/27/96	Wu	585	513	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes No	
<i>M</i>	AF	135,873	3/4/20	Great Britain				
	AG	0,611,743 B1	7/2/97	Europe	C07C	2/3		
<i>M</i>	AH	WO 99/52631	10/21/99	World	B01J	31/18		
<i>M</i>	AI	WO 02/06192 A1	1/24/02	World	C07C	2/32		
<i>M</i>	AJ	0,608,447 A1	1/26/93	Europe	C08F	10/00		
<i>M</i>	AK	WO 94/25416	11/10/94	World	C07C	2/34		
<i>M</i>	AL	WO 02/04119 A1	1/17/02	World	B01J	31/18		
<i>M</i>	AM	WO 96/27439	9/12/96	World	B01J	31/18		
<i>M</i>	AN	0,614,865 A1	3/9/94	Europe	C07C	2/30		
<i>M</i>	AO	JP11049804	2/23/99	Japan	C08F	2/00	X	

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
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<i>M</i>	AR	W. Kaminsky and M. Arndt-Rosenau, Chemical Background in Applied Homogeneous Catalysis with organometallic Compounds, Ed. B. Cornils, W. A. Herrmann, 2 nd Edition, Vol. 1, Ch. 2.3.1.1, pp. 213-230, Wiley-VCH 2002
<i>M</i>	AS	R.M. Manyik, W.E. Walker, T.P. Wilson, J. Catal., 1977, 47, 197 and J.R. Briggs, Chem. Commun. 1989 and cited references
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